BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

NAME OF WORK: -Improvements to roads and dains at Kogilu, Palanahalli, Kattigenahalli Chokkanahalli Colony in ward No. 05, Kogilu

Est Cost : 64.78 Lakhs

ಅಂದಾಜು ಪಟ್ಟಿಯ ವರದಿ

ವಿಷಯ: ವಾರ್ಡ್ ನಂ. 05(ಜಕ್ಕೂರು) ವ್ಯಾಪ್ತಿಯಲ್ಲಿ Improvements to roads and dains at Kogilu, Palanahalli, Kattigenahalli Chokkanahalli Colony in ward No. 05, Kogilu ಕಾಮಗಾರಿ ಅನುಮೋದನೆ ನೀಡುವ ಕುರಿತು.

ಉಲ್ಲೇಖ: ಮಾನ್ಯ ಆಡಳಿತಗಾರರು, ಬಿಬಿಎಂಪಿ ರವರು ದಿನಾಂಕ: 21.09.2024ರಂದು ನಡೆದ ಸಭಾ ನಡವಳಿ ವಿಷಯ ಸಂಖ್ಯೆ. 192/2024-25

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ವಾರ್ಡ್ ನಂ. 05(ಕೋಗಿಲು) ವ್ಯಾಪ್ತಿಯಲ್ಲಿ Improvements to roads and dains at Kogilu, Palanahalli, Kattigenahalli Chokkanahalli Colony in ward No. 05, Kogilu ಕಾಮಗಾರಿಗೆ ರೂ. 64.78 ಲಕ್ಷಗಳ ಅಂದಾಜು ಮೊತ್ತದಲ್ಲಿ ಕಾಮಗಾರಿಯನ್ನು ಕೈಗೊಳ್ಳಲು ಉಲ್ಲೇಖದನ್ವಯ ಮಾನ್ಯ ಆಡಳಿತಗಾರರು, ಬಿಬಿಎಂಪಿ ರವರ ದಿನಾಂಕ: 06.08.2024 ರ ನಡವಳಿ ವಿಷಯದ ಸಂಖ್ಯೆ. 95/24-25ರಲ್ಲಿ ಅನುಮೋದಿಸಿರುವಂತೆ 2024-25 ನೇ ಸಾಲಿನ ಆಯವ್ಯಯದ ಪರಿಶಿಷ್ಟ ಜಾತಿ/ಪಂಗಡ ಕಲ್ಯಾಣ ನಿಧಿ ಕಾಮಗಾರಿಗಳ ಯೋಜನೆಯ ಲೆಕ್ಕಶಿರ್ಷಿಕೆ 05-330501 ಪಿ-1878 ರ ಅಡಿಯಲ್ಲಿ ಮೀಸಲಿಟ್ಟ ಅನುದಾನದಲ್ಲಿ ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಲು ಅವಕಾಶ ಕಲ್ಪಿಸಲಾಗಿರುತ್ತದೆ.

ಅದರಂತೆ ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ಕೋಗಿಲು, ಚೊಕ್ಕನಹಳ್ಳಿ ಪಾಲನಹಳ್ಳಿ ಮತ್ತು ಕಟ್ಟಿಗೇನಹಳ್ಳಿ ಕಾಲೋನಿಗಳಲ್ಲಿ ರಸ್ತೆ ಮತ್ತು ಚರಂಡಿ ಅಭಿವೃದ್ದಿ ಮಾಡಲು ಅವಶ್ಯವಿರುವುದರಿಂದ ಅಗತ್ಯ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಈ ಕೆಳಕಂಡ ಐಟಂಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ.

1. ಹಾಲಿ ಇರುವ ಚರಂಡಿಗಳಲ್ಲಿ ತುಂಬಿರುವ ಹೂಳನ್ನು ತೆಗೆದು ಹೊರಸಾಗಿಸುವುದು.
2. ಆರ್.ಸಿ.ಸಿ ಚರಂಡಿಯನ್ನು ನಿರ್ಮಾಣ ಮಾಡುವುದು
3. ಆರ್.ಸಿ.ಸಿ ಚರಂಡಿಗೆ ಪ್ರೀಕ್ಯಾಸ್ಟ್ ಕವರಿಂಗ್ ಸ್ಲಾಭ್‌ಗಳನ್ನುಅಳವಡಿಸುವುದು
4. ಕಾಂಕ್ರೀಟ್ ರಸ್ತೆಗಳ ನಿರ್ಮಾಣ ಮಾಡುವುದು
5. ಕಲ್ವರ್ಟ್‌ಗಳ ನಿರ್ಮಾಣ ಮಾಡುವುದು ಹಾಗೂ ಇತರೆ ಅವಶ್ಯಕ ಅಂಶಗಳಿಗೆ ಅಂದಾಜಿನಲ್ಲಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಂಡಿರುತ್ತದೆ.

ಮೇಲ್ಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು PWD CSR SR 2023-24, ದರಪಟ್ಟಿ ದರಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ. ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಗೆ 2024-25ನೇ ಸಾಲಿನ ಲೆಕ್ಕ ಶಿರ್ಷಿಕೆ ಪಿ-1878ರ ಅಡಿಯಲ್ಲಿ ಅನುಮೋದಿಸಿ, ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ, ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿ ಕಾಮಗಾರಿಯನ್ನು ತುರ್ತಾಗಿ ಕೈಗೊಳ್ಳಬೇಕಾಗಿರುವುದರಿಂದ ಟೆಂಡರ್ ಕರೆದು ಗುತ್ತಿಗೆದಾರರನ್ನು ನೇಮಿಸಿ ಕಾರ್ಯದೇಶ ನೀಡಲು ಈ ಮೂಲಕ ಕೋರಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿಬಿಎಂಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ ಬೆಂಗಳೂರು-78

BRUHAT BANGALORE MAHANAGARA PALIKE
Byatarayanapura Division

NAME OF WORK: -Improvements to roads and dains at Kogilu, Palanahalli, Kattigenahalli Chokkanahalli Colony in ward No. 05, Kogilu

Estimate cost Rs 6478000.00

SL NO	PARTICULARS	UNIT	NO	MEASUREMENT			Qty	RATE	AMOUNT
				L	B	D			
1	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of Buildings & bridges and such simillar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. In all kinds of soils Depth upto 1.5 m**[PWD SR 2023-24/ Volume-1/ Chapter-1/P.NO-5/ Item no:-1.4.1]**								
	For Drain Desilting Kogilu Colony	Cum	2	110.00	0.60	0.45	59.40		
			1	100.00	0.45	0.45	20.25		
			3	50.00	0.45	0.45	30.38		
	Chokkanahalli Colony Main Road		2	110.00	0.60	0.45	59.40		
			1	75.00	0.45	0.45	15.19		
	RCC Drain								
	Chokkanahalli Colony		1	70.00	0.60	0.60	25.20		
	Kattigenahalli Colony		1	238.00	0.90	0.90	192.78		
	Palanahalli Colony		1	120.00	0.90	0.90	97.20		
	Culverts		8	4.50	1.50	1.00	54.00		
			3	6.50	1.50	1.00	29.25		
					Total		**583.04**	**266.20**	**155205.91**
	Basic Rate	**242.00**							
	Add AW 10%	24.20							
	Total	**266.20**							
2	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications.Mix 1:4:8 Using 40 mm nominal size graded crushed coarse aggregates[PWD SR 2023-24/ Volume-1/ Chapter-2/P.NO-15/ Item no:-2.1.2]								
	PCC For Drain								
	Chokkanahalli Colony	Cum	1	70.00	0.60	0.15	6.30		
	Kattigenahalli Colony		1	238.00	0.90	0.15	32.13		
	Palanahalli Colony		1	120.00	0.90	0.15	16.20		
	For Road								
	Chokkanahalli Colony		1	70.00	3.50	0.15	36.75		
	Kogilu Colony		1	110.00	4.00	0.15	66.00		
	Culverts	Cum	8	4.50	1.35	0.15	7.29		
			3	6.50	1.35	0.15	3.95		
					Total		**168.62**	**6230.40**	**1050562.26**
	Basic Rate	**5664.00**							
	Add AW 10%	566.40							
	Total	**6230.40**							

SL NO	PARTICULARS	UNIT	NO	MEASUREMENT			Qty	RATE	AMOUNT
				L	B	D			
3	Providing and laying in position Cement Concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.**M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates**[PWD SR 2023-24/ Volume-1/ Chapter-2/P.NO-16/ Item no:-2.4.2]								
	for drain								
	Chokkanahalli Colony	Cum	1	70.00	0.60	0.15	6.30		
	Kattigenahalli Colony		1	238.00	0.90	0.15	32.13		
	Palanahalli Colony		1	120.00	0.90	0.15	16.20		
	For Side Wall								
	Chokkanahalli Colony	Cum	2	70.00	0.15	0.45	9.45		
	Kattigenahalli Colony		2	238.00	0.15	0.60	42.84		
	Palanahalli Colony		2	120.00	0.15	0.60	21.60		
					Sub-Total A		**128.52**		
	Culverts								
	For Raft	Cum	8	4.50	1.35	0.15	7.29		
	For Side Wall	Cum	16	4.50	0.30	0.60	12.96		
	Ramp	Cum	16	4.50	0.50	0.10	3.60		
	For Raft	Cum	3	6.50	1.35	0.15	3.95		
	For Side Wall	Cum	6	6.50	0.30	0.60	7.02		
	Ramp	Cum	6	6.50	0.50	0.10	1.95		
					Sub-Total B		**36.77**		
					Total A+B		**165.29**	**7650.83**	**1264596.13**
	Basic Rate	**6323.00**							
	Add AW 10%	632.30							
	Sub-Total	**6955.30**							
	Centering & Shuttering 10%	695.53							
	Total	**7650.83**							
4	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383:2016:, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, primer, sealant, curing of concrete slabs for 14-days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work.[PWD SR 2023-24/ Volume-3/ Chapter-16/P.NO-149/ Item no:-16.28]								
	For Road								
	Chokkanahalli Colony		1	70.00	3.50	0.15	36.75		
	Kogilu Colony		1	110.00	4.00	0.15	66.00		
					Total		**102.75**	**7429.40**	**763370.85**
	Basic Rate	**6754.00**							
	Add AW 10%	675.40							
	Total	**7429.40**							

SL NO	PARTICULARS	UNIT	NO	MEASUREMENT L	B	D	Qty	RATE	AMOUNT
5	**Steel Fabrication,Supplying, fitting and placing TMT FE 550 / 550D** Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification .c For Substructure of Bridges[PWD SR 2023-24/ Volume-1/ Chapter-2/P.NO-91/ Item no:-2.11 h]								
	Quantity From Item 3[60kg/cum]	**Tonne**	1	128.52		60.00	7711.20		
	Quantity From Item 3[90kg/cum]		1	36.77		90.00	3309.19		
						Kg	#######	11020.39	
						Tonne	11.02		
					Total		**11.02**	**86912.10**	**957805.02**
	Basic Rate	**79011.00**							
	Add AW 10%	7901.10							
	Total	**86912.10**							
6	**Providing and laying 100mm thick pre-cast cover slabs** over Road side drains / utility ducts / Rain water harvesting pit of width not exceeding 1000 mm using M20 concrete reinforced with TMT bars Fe 550 @ 6kg/m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drain age of surface waterincluding of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete.[PWD SR 2023-24/ Volume-2/ Chapter-2/P.NO-177/ Item no:-17.14]								
	For Drain Chokkanahalli Colony	Sqm	1	70.00	0.75		52.50		
	Kattigenahalli Colony		1	238.00	0.90		214.20		
	Palanahalli Colony		1	120.00	0.90		108.00		
	Missing Slabs		1	55.00	0.90		49.50		
			1	45.00	0.75		33.75		
					Total		**457.95**	**1287.00**	**589381.65**
	Basic Rate	**1170.00**							
	Add AW 10%	117.00							
	Total	**1287.00**							
7	Providing and fixing 230mm thick pre cast reinforced concrete slab as per design and drawing material cost,transportation, hire charges of machinery complete with all lead and lift conveyance charges labour charges inclusive of cost of all materials(As per data rate)								
	For New RCC Culvert	Sqm	8	4.50	1.20		43.20		
			3	6.50	1.20		23.40		
					Total		**66.60**	**5037.00**	**335464.20**
	Data Rate	**5037.00**							
8	Unload ing, Loading & Carriage of MaterialsLoading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum. (Tipper 5.5 m3)[PWD SR 2023-24/ Volume-3/ Chapter-1/P.NO-5/ Item no:-1.1 a]								
	Quantity From Item 1	Cum	1	583.04			583.04		
					Total		**583.04**	**148.50**	**86581.81**
	Basic Rate	**135.00**							
	Add AW 10%	13.50							
	Total	**148.50**							
9	Cost of Haulage Excluding Loading and Unloading,Taking output 10 t load and lead 10 km = 100 t.km[PWD SR 2023-24/ Volume-3/ Chapter-1/P.NO-3/ Item no:-1.4 iii A]								
	Quantity from Item No-1	t.km	1	583.04	1.28		746.29		
						Total	**746.29**	**198.00**	**147766.29**
	Basic Rate	**12.00**							
	15KM LEAD [12*15=180]	180.00							
	Add AW 10%	18.00							

SL NO	PARTICULARS	UNIT	NO	MEASUREMENT			Qty	RATE	AMOUNT
				L	B	D			
	Total		198.00						
							Total		5350734.12
							GST 18%		963132.14
							Tender Premium 3%		160522.02
							Miscelleneous		3611.71
							Grand Total		**6478000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2023-24 and Data Rates.

Assistant Engineer
Ward 5

Asst. Executive Engineer
Byatarayanapura Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP

ADMINISTRATIVE SANCTION
Accorded for Rs. 64.78 Lakhs
Head of A/c. P1878
Div. Ref. No. 41 Date 15/10/24
AE/DM
EE(BTP) BBMP

Technical Sanction
Accorded For ..64.78 Lakhs only
Head of A/C.. P1878
CER NO :..48..... Dt:.15/10/24